Evolution-X User Manual

PLEASE READ THIS ENTIRE MANUAL BEFORE USING YOUR EVOLUTION-X

Thank you for purchasing the Evolution-X Electronic Cigarette. Whether you are new to vaping or not, you have just purchased a great unit which provides excellent battery life and lots of vapor.

This manual covers everything you need to do once you receive your Evolution-X Electronic Cigarette and what to do to keep it in the best working order. If you ever have any questions, feel free to contact us at Sharp Smoker by emailing kevin@sharpsmoker.com

Enjoy the Vaping Experience
Kevin Sjodin, President
Sharp Smoker LLC

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First Steps

1. When you first receive your Evolution-X electronic cigarette, the batteries may be locked. Check this by pushing the push button. If the L.E.D. lights up, they are not locked, if it does not light up, unlock your battery by pushing the L.E.D. button 5 times rapidly. It will now be unlocked.
2. After charging your batteries for the first time (see following instructions), screw the atomizer onto the battery till there is resistance. Do not use excessive force!
3. **FOR MEGA CARTRIDGES** – Open a mega cartridge, remove the clear rubber cap, fill the cartridges with e-liquid (see the following section on refilling cartridges) and push the cartridge (do not twist) onto the atomizer. Let it sit for about 5 minutes to absorb some e-liquid from the cartridge into the atomizer. This is only necessary before the first use of an atomizer and after an atomizer cleaning. (You can alternately or in addition drop about 3 drops of liquid directly onto the bridge of the atomizer).
4. **FOR TANK CARTRIDGES** – Open a cartridge, remove the silicone/rubber stopper, fill the tank with e-liquid (leave about 1/8 inch of air for cap to go back on), replace the cap, and push the tank cartridge onto the atomizer fully without twisting. Make sure you push it all the way down so the atomizer probe punctures into the tank cartridge.
5. Charge the batteries for the first time for a full 4 hours, even if the L.E.D. on the charger turns green after a few hours.
6. Your Evolution-X Electronic Cigarette is now ready for use.

Charging Your Batteries

1. Plug the USB portion of the USB charging cable into the AC wall adapter.
2. Plug the AC adapter into the wall outlet.
3. Ensure the L.E.D. on the wall adapter lights up red and the L.E.D. on the USB cable lights up green.
4. Screw the battery into the charger until the L.E.D. on the USB cable turns green and the L.E.D. on the Evolution-X battery starts to blink. STOP WHEN THIS HAPPENS. The Blue L.E.D. shall remain lit while charging (on the older batteries, the light does not stay lit during charging)
5. When fully charged, the L.E.D. on the battery will go out and the L.E.D. on the USB cable will turn green.

FIRST CHARGE – Charge your batteries for a full 4 hours or approximately 2 hours after the L.E.D. on the USB cable turns green.

Battery Function

The Evolution-X E-Cig batteries come with a safety feature allowing you to lock the batteries when not in use to prevent inadvertent activation of the e-cig which could lead to overheating and failure of the atomizer.

- **TO LOCK THE BATTERY** - push the button on the battery 5 times rapidly (some batteries are 3 times) within 2 seconds.
- **TO UNLOCK THE BATTERY** – push the button on battery 5 times rapidly (some batteries are 3 times) within 2 seconds.

You should see the L.E.D. light on the battery flash a few times whenever the battery is locked or unlocked.

Dragging Technique For E-Cigs

You will quickly find that using your Evolution-X Electronic Cigarette, or any e-cig for that matter, is quite different from using a tobacco cigarette. When smoking a tobacco cigarette, you take a quick 1-2 second drag. However, with an e-cig, the best method of dragging is to take a slower, longer drag, approximately 5 seconds. The reason is the atomizer coil takes about a second or two to heat up and then needs a few seconds to produce good vapor. This amounts to about a 5 second drag.

We recommend you begin pushing the button just before you begin dragging and then do a slow, smooth, continuous drag for 5 seconds. Then will ensure the best vapor production while not causing excessive heating of the atomizer.

Refilling Standard Cartridges

For standard cartridges only – skip to the tank cartridge section if you have tank cartridges.

WHY DO IT – It can save you money and lead to better performance of your cartridges! You may notice the more you refill your cartridge, the less drops of e-liquid it seems to take. If this is the case, it's time to address the stuffing in your cartridge. You will also notice that over time, the stuffing gets a bit dirty and needs changing.

WHAT TO USE – There are many materials that people have used as filler for their cartridges, but we have found that the best material is polyester batting, a material which is very similar to that which comes in the cartridges already.

HOW IT WORKS – The cartridge stuffing works like a wick. The bridge of the atomizer comes in contact with the stuffing and wicks the e-liquid out of the stuffing and into the bridge. If the stuffing is to dense or of poor quality, it will lead to poor wicking and in turn poor performance of the cartridge.

THE BEST AMOUNT OF STUFFING – There is no exact science to this, it is more a matter of trial and error. If your cartridge is not wicking well (retaining the e-liquid in the stuffing), you have too much stuffing and need to use a little less. On the opposite end, if your stuffing is not holding the e-liquid in place causing it to leak all over, you have too little stuffing and need to use more. It take a little practice to determine just the right amount of stuffing to use for the best performance.

…AND FINALLY, HOW TO REFILL YOUR CARTRIDGES
There are many methods to refill your cartridges, however, we will share with you the one method that seems to work the best and involves nothing more than a paperclip.

1. Remove the cartridge from the atomizer by pulling it straight off (do not twist).
2. Take a paper clip and straighten out on of the ends.
3. Slide the paper clip along one side of the cartridge while trying not to snag any of the stuffing.
4. Pull the paperclip to the opposite side of the cartridge effectively push the stuffing to one side – this allows you to drip e-liquid down to the bottom of the cartridge.
5. Drip e-liquid into the opening you have just created until it reaches about ¼ inch from the top of the cartridge.
6. Release the paper clip and pull it out. Fluff the stuffing a little with the paper clip if necessary.
7. You may need to add a few more drops directly to to the top of the stuffing if it looks to need it.
8. Push the cartridge back onto the atomizer and you are ready to start vaping again.

NOTE – This is not an exact science, it may take a few times and a little trial and error to determine just the right amount of e-liquid to put into your cartridges so it is neither to dry nor to wet. The number of drops will vary of course depending on how much e-liquid is still left in the cartridge before refilling.

Refilling Tank Cartridges

Refilling your tank cartridge can prove to be a little messier than standard cartridges but just as easy if not easier and quicker than refilling standard cartridges.

1. Remove the cartridge from the atomizer by pulling it straight off without twisting.
2. Remove the silicone/rubber cap by pulling it straight off the cartridge while not twisting.
3. Begin dripping e-liquid into the tank space until the e-liquid is about ¼ inch from the top. This space will be taken up by the cartridge cap. If you fill the cartridge to the very top, when you replace the cap, it will cause some of the e-liquid to ooze out.
4. Replace the rubber cap onto the cartridge.
5. Push the atomizer back onto the atomizer without twisting.
6. You are now ready to begin using your e-cig.

Refilling Cartomizers

1. Pop off the cap on your cartomizer
2. Grab a bottle of e-liquid and start dripping e-liquid around the edge of the cartomizer onto the polyfiber stuffing. Be sure not to get e-liquid in the center hole as that will causing it to leak out the bottom of the cartomizer.
3. How many drops to add changes of course with the cartomizer you have. Small cartomizer can usually hold between 20-30 drips without really having to worry about it being flooded and leaking. Larger cartomizers may hold up to 50 or more drips.
4. When the polyfiber filling starts looking nice and moist, you probably have enough. It may take a little experimenting to get just the right amount. It is better to under fill than over fill and have it leaking everywhere.
5. Replace the cap on your cartomizer
6. Screw it back on your battery and start vaping.

Maintenance of Your E-Cig

BATTERY AND ATOMIZER TERMINALS – The way your atomizer heats up is by an electrical connection that occurs when you screw the atomizer onto the battery. To keep this connection at is absolute best, the terminals need to be cleaned regularly. It is inevitable that e-liquid will work its way to these terminals and dirty them up. To clean, simply take a paper towel or cotton swap (dry and dipped in pure alcohol) and wipe the terminals clean anytime you use unscrew the atomizer from the battery or every time before you charge the battery.

THE ATOMIZER COIL – The coil is the component of the atomizer which heats up the e-liquid and vaporizes it. The main cause of premature atomizer failure is from the use of e-liquids with poor atomizer friendly properties. The liquid leaves a residue on the atomizer which builds up over time and causes the coil to be unable to transfer the heat to the e-liquid leading to poor vaporization and vapor production. This also leads to the burn-out of the heating coil causing the atomizer to fail completely. You can extend the life of your atomizer by cleaning the atomizer using one of the following cleaning methods.

Atomizer Cleaning

When your atomizer stops producing good vapor, it is time to clean the atomizer. Your atomizer may need cleaning after a few weeks or a few months depending on what e-liquid you are using. We recommend only cleaning your atomizer when necessary due to poor vapor production, and after you are sure this poor vapor production is not simply due to a lack of sufficient e-liquid in the atomizer.

The best solution to use to clean your atomizers are grain alcohol (Everclear 190 or 150 proof, or 99% Isopropyl alcohol – don't have to be 21 to buy this), and/or a bottle of cola.

OUR RECOMMENDED METHOD – Put the atomizer in a cup of cola, shake it up a bit to get the cola well inside the atomizer, and let it sit for 5-10 hours.

Remove it from the cola and put it in a container with the alcohol. Shake it up well to get the alcohol well inside the atomizer. I like to scoop the alcohol into the atomizer several times and let it drain at the bottom until it produces a nice stream. Then let it sit in the alcohol for 5-10 hours.

Finally, remove the atomizer from the alcohol, blow through it a few times to get all the excess alcohol out, dry it with a blow dryer for about 2 minutes, and then let it sit for a few hours until it is well dry. Alternately, you can just let it sit and dry out for 12-24 hours.

PRIMING YOUR ATOMIZER AFTER CLEANING – Once your atomizer is all clean, it will be totally devoid of any e-liquid. To prime it, take your atomizer and drip about 3-4 drops of e-liquid directly onto the metal bridge. Then take a freshly refilled cartridge and put it on the atomizer. Allow it to sit for 5-10 minutes and then you will be ready to use your atomizer once again.

If there is water left in the atomizer from the cola, alcohol, or if you used water to rinse it, there may be some cracking and popping when you first use your atomizer, but this should quickly subside with use.

Best Practices

- **KEEP EXTRA ATOMIZERS ON HAND** – It is always a good idea to have 2 or 3 atomizers on hand. If one of your atomizers fails, or while you are cleaning an atomizer, you will want to have another one to use so you do not have to resort to tobacco cigarettes.

- **KEEP EXTRA BATTERIES ON HAND** – It is also wise to have more than one battery on hand. You will want to have a battery to use while one is charging or in the even that one battery f ails. It is generally best to have at least 3 working batteries on hand at all times so you never have to resort to tobacco cigarettes.

- **ORDERING E-LIQUID** – Do not wait until you have a few drops left to order e-liquid. You do not want to be caught without any e-liquid and have to resort to using tobacco cigarettes. Many find that after using the e-cig for a while, the taste of a tobacco cigarette is rather terrible. Best to order when you still have 1 full bottle left in the event there are shipping delays, lost packages during transit, or any other event that may cause you to run out in the interim.

- **CLEAN ONLY WHEN NECESSARY** – Only clean your atomizers when they have poor vapor production, and only after you have made sure this poor vapor production is not due to a lack of sufficient e-liquid in the atomizer. It should only be needed every few weeks or months depending on the e-liquid you use.

- **CHANGING FLAVORS** – If you change flavors a lot, you may want to consider using cartomizers (an atomizer and cartridge combined). Each cartomizer can hold a different flavor of e-liquid. When you want to change flavor, simply screw one cartomizer off and put another one on.

- **ATOMIZER AND BATTERY LIFE** – Atomizers typically last a few months but varies depending on how much you use them and how well you keep the moist with e-liquid. If you fail to refill cartridges in a timely manner, you run the risk of burning out your atomizer quicker. Batteries typically last around 200-300 chargers, but expect there usage time to decline the more and more you use them as with cell phone batteries.

Which Is Better For Me

- **TANK CARTRIDGES OR STANDARD CARTRIDGES** It is really a matter of personal choice as they both produce basically the same amount of vapor. You can use drip tips with standard atomizer but not with tank atomizers. Some customers love standard atomizer and cartridges and hate tank atomizers, some are just the opposite, and some use both.

- **PG OR VG E-LIQUID** – PG is Propylene Glycol and VG is Vegetable Glycerin. This is for the most part a matter of personal preference. However, some people may have a slight allergic reaction to PG and some to VG. Most people start with a PG based e-liquid and if they have any reactions to it, will try a VG e-liquid. PG is the most predominant e-liquid and the easiest to find. Allergic reactions may be

anything from itchiness, diarrhea, rash, etc. It's also worth noting that VG e-liquids tend to muck up atomizers quicker than PG based e-liquids. Therefore, if you use VG based e-liquids, your atomizers may have a shorter life span.